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10/799,627	03/15/2004	Yuji Kawasaki	0756-7270	8404
31780	7590	09/25/2009	EXAMINER	
ERIC ROBINSON			EL-ZOOBI, MARIA	
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21010 SOUTHBANK ST.			PAPER NUMBER	
POTOMAC FALLS, VA 20165			2614	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/799,627	Applicant(s) KAWASAKI ET AL.	
	Examiner MARIA EL-ZOOBI	Art Unit 2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 September 2009.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) _____ is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) 1,3,4,6,8,11,13,14,16,18 and 21-32 is/are rejected.
- 7) ☒ Claim(s) 7,10,17 and 20 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15/03/1995 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 9/01/2009 regarding the obviousness double patent have been fully considered and it is persuasive. Double patent rejection has been withdrawn.
2. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 1, 3-4, 6, 8, 11, 13-14, 16, 18-19 and 21-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Pressman (US Patent 4, 645,872) in view of Deacon (US Patent 5,515,474) and further in view of Umezawa (US Patent 5,491,507) in view of Bettini (US 5,438,530) in view of Krakower (Des.332,783) and further in view of Chen (6,330,023).

Regarding claim 1, Pressman discloses a personal computer (Fig. 2) comprising:

- a micro processing unit (Fig. 2 and Fig. 5, el. 31)
- a display-unit operationally connected to the micro processing unit (Fig. 2)
- a speaker operationally connected to the micro processing unit (Fig. 2, el. 14)

and a microphone operationally connected to the micro processing unit (Fig. 2, el. 12) wherein the microphone is provided on a lower side of the display unit (Fig. 2)

Keyboard (Fig. 2)

Pressman does not teach that wherein the speaker is provided on at least one side of the display unit, [[and]], and wherein the display unit, the speaker, and the microphone are included in a same housing. However, it is obvious to one with ordinary skill in the art to allocate the I/O devices in any way that suit the user need further more it is well known in the art to integrate multiple separate

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devices which work together in one unit.

Deacon discloses a computer with a keyboard and mouse “pointing device” and speakers (Fig. 1) wherein a speaker provided on at least one side of the display unit (Fig. 1, el. 15A and 15B).

Therefore, it would have been obvious to one with ordinary skill in the art, at the time the invention was made to modify Pressman with Deacon to place the speaker in the desired arrangement that suit the user needs so to enable him/her to control the volume in easier way.

Pressman in view of Deacon does not expressly teach that wherein the display unit, the speaker, and the microphone are included in a same housing.

Umezawa discloses display, speaker and the microphone in the same housing (Fig. 1) ,also the camera and the microphone are included in a same housing and the camera is on the upper side of the display (Umezawa: Fig. 1) and the camera is on the upper side of the display (Fig. 7).

Therefore, it would have been obvious to one with ordinary skill in the art, at the time the invention was made to modify Pressman in view of Deacon with Umezawa teaching in order to have the desired design by the user so to save space on the user's desk.

Although Pressman in view of Deacon and further in view of Umezawa does not discloses the keyboard and the pointing device are included in a second housing. It would have been obvious to one with ordinary skill in the art, at the time the invention was made to modify Pressman in view of Deacon and further in view of

Umezawa so to integrate separate known device in one unit so to save space on the user desk.

Bettini discloses a portable computer, wherein the keyboard and the mouse in the same housing (see Fig. 1).

Therefore, it would have been obvious to one with ordinary skill in the art, at the time the invention was made to modify Pressman in view of Deacon and further in view of Umezawa with Bettini teaching to have the keyboard and the mouse in the same housing so to save space on the user desk.

Therefore, It would have been obvious to one with ordinary skill in the art, at the time the invention was made to modify Pressman in view of Deacon and further in view of Umezawa with Bettini teaching to have the keyboard and the mouse in the same housing so to save space on the user desk.

Although the combination of references does not explicitly teach that the keyboard and the pointing device are provided on the same surface of the second housing, it would have been obvious to one with ordinary skill in the art, at the time the invention was made to modify Pressman in view of Deacon in view of Umezawa and further in view of Bettini to use known technique “integrating separate unit in one housing” to improve similar device “computer”.

Krakower discloses a personal computer, wherein the keyboard and the pointing device in the same housing (see Fig. 1 and abstract).

Therefore, it would have been obvious to one with ordinary skill in the art, at the time the invention was made to modify Pressman in view of Deacon and further

in view of Umezawa in view of Bettini with Krakower to improve the used device

“also see discussion above”.

The above cited references does not disclose means for modifying an image data obtained by a camera to obtained a modified image and transmitting the modified image data.

Chen discloses modifying an image data obtained by a camera to obtained a modified Image (Col. 5-6).

Therefore, it will be obvious to one with ordinary skill in the art at the time the invention was made to modify the references with Chen in order to improve the system and enhance it's capability and yield more predictable results.

Regarding claim 3, Pressman in view of Deacon in view of Umezawa and further in view of Bettini discloses, the personal computer comprising a memory (Deacon: Fig. 2, el. 23-24).

Regarding claim 4, see claim 1 analysis also see; a camera operationally connected to the micro processing unit (Pressman: Fig. 2, el. 11) and

the display unit, the speaker, the camera and the microphone are included in a same housing and the camera is on the upper side of the display (Umezawa: Fig. 1) and the camera is on the upper side of the display (Fig. 7).

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Regarding claim 6, Pressman in view of Deacon in view of Umezawa and further in view of Bettini discloses, the personal computer comprising a memory (Deacon: Fig. 2, el. 23-24).

Regarding claim 8, see claim 4 and 13 rejections, regarding the limitations, a multiplexer operationally connected to the memory (Pressman: Fig. 5, el. 44) a camera operationally connected to the multiplexer (see Fig. 4, Pressman) through a digital signal processor (Pressman: Fig. 11);

a microphone operationally connected to the multiplexer through an A/D converter (Deacon: Fig. 8C).

Regarding claim 11, see claim 1 rejection.

Regarding claim 13, see claim 3 rejection.

Regarding claim 14, see claim 4 rejection.

Regarding claim 16, see claims 3 and 13 rejections.

Regarding claim 18, see claim 8 rejection.

Regarding claim 21, Pressman in view of Deacon in view of Umezawa and further in view of Bettini discloses, wherein the pointing device is a mouse (see Bettini).

Regarding claim 22, see claim 21.

Regarding claim 23, see claim 21.

Regarding claim 24, see claim 21.

Regarding claim 25, see claim 21.

Regarding claim 26, see claim 21.

Regarding claim 27, Pressman in view of Deacon in view of Umezawa and further in view of Bettini discloses, wherein the personal computer transmits image data and voice data of a user to another personal computer through a transmission line (Pressman: Col. 13 and the abstract; discloses that the system is a conferencing system; which means it will transfer data, image and voice to the other party).

Regarding claim 28, see claim 27.

Regarding claim 29, see claim 27.

Regarding claim 30, see claim 27.

Regarding claim 31, see claim 27.

Regarding claim 32, see claim 27.

Allowable Subject Matter

5. Claims 7, 10, 17 and 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARIA EL-ZOOBI whose telephone number is (571)270-3434. The examiner can normally be reached on Monday-Friday (8AM-5 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis Kuntz can be reached on 571-272-7499. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/M. E./
Examiner, Art Unit 2614
/CURTIS KUNTZ/
Supervisory Patent Examiner, Art Unit 2614

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